

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P952602

Luminaire Tested: **GALN-SB6B-930-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952602
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-930-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20254 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

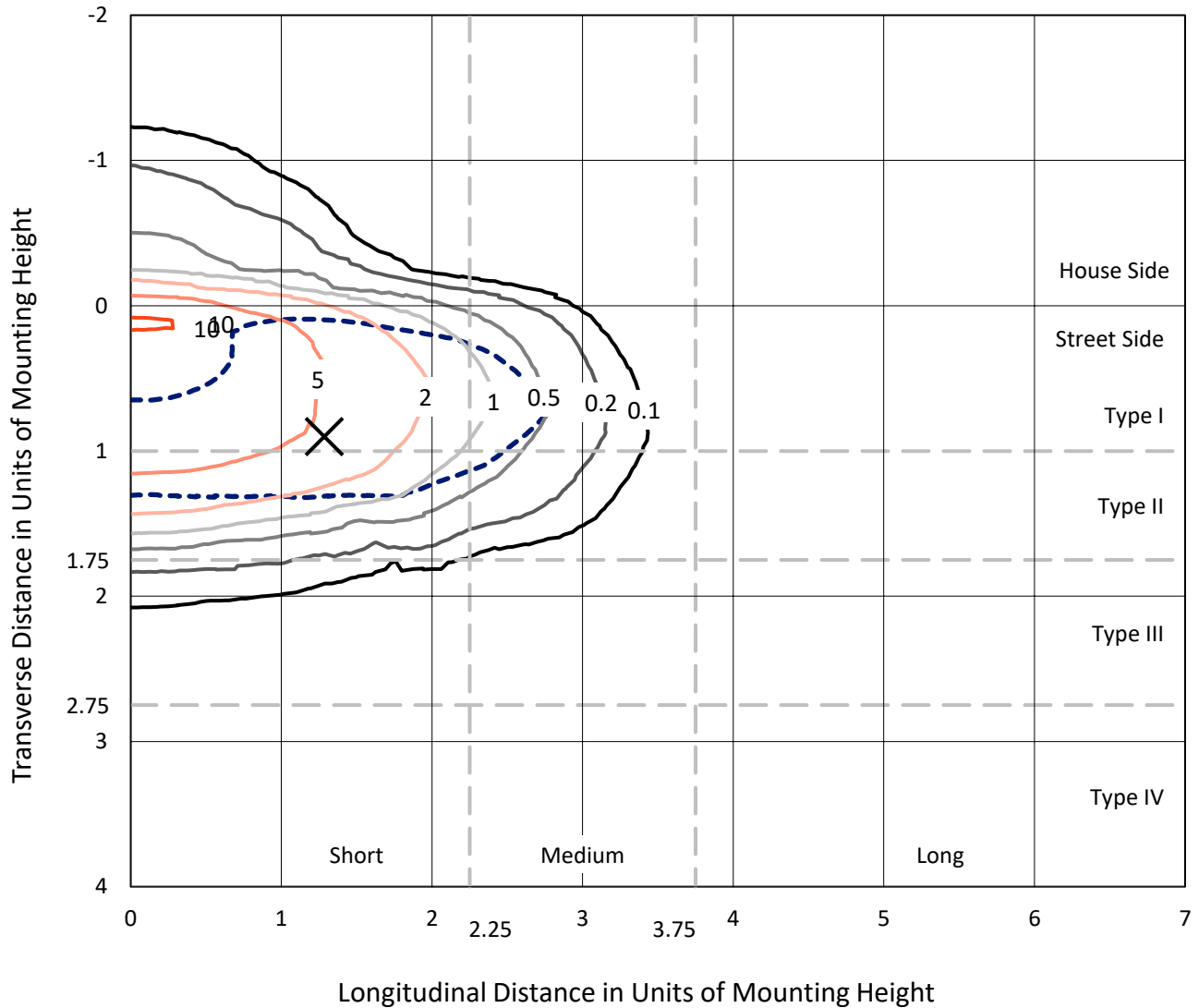
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

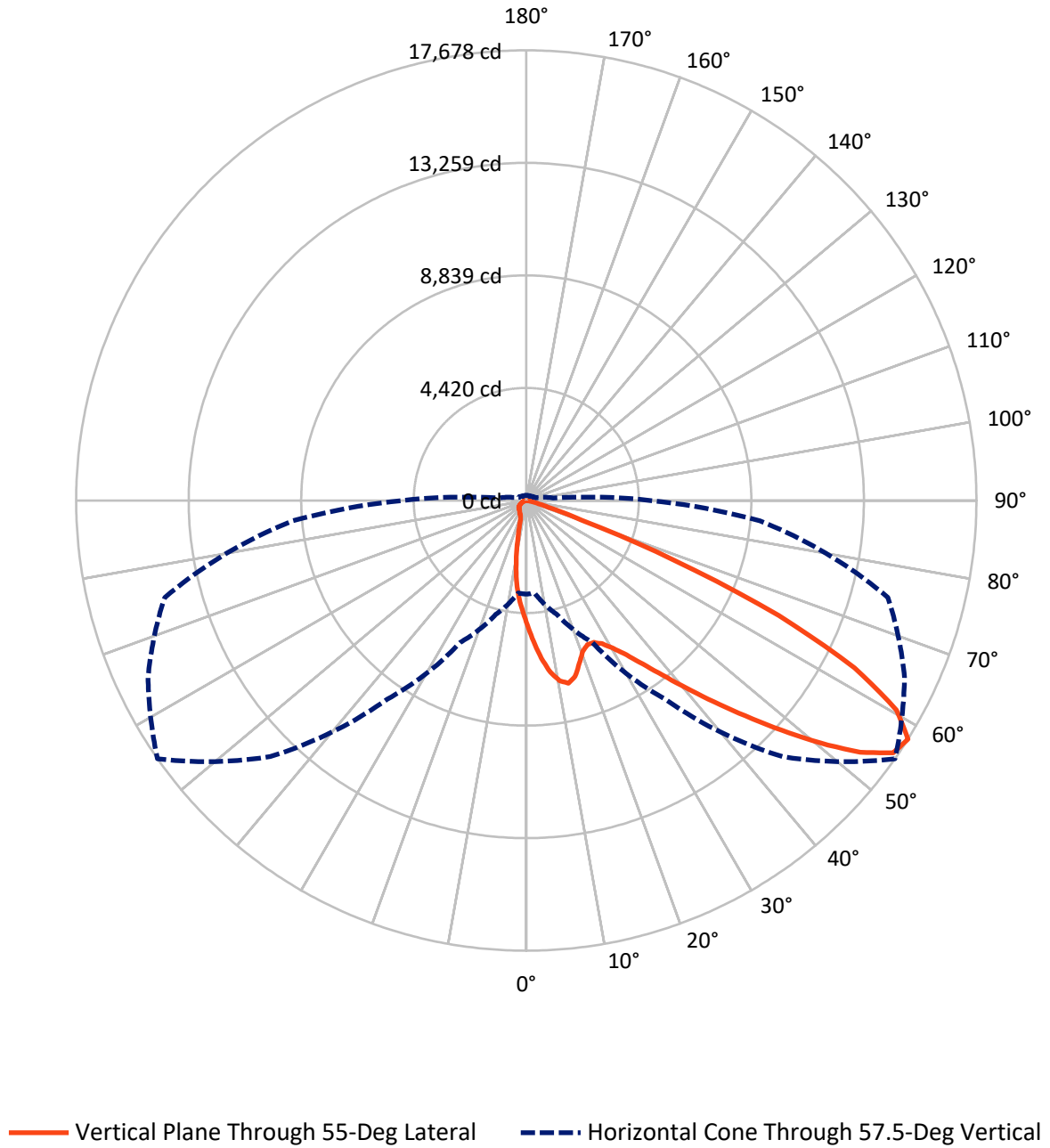
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1581.7	0.0	1581.7
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	18672.2	0.0	18672.2
	% Fixture	92.2	0.0	92.2
Total	Lumens	20254.0	0.0	20254.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.1	2.2
10°-20°	1096.9	5.4
20°-30°	1755.1	8.7
30°-40°	2970.6	14.7
40°-50°	4877.1	24.1
50°-60°	5360.3	26.5
60°-70°	3074.6	15.2
70°-80°	628.2	3.1
80°-90°	37.0	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	20254.0	100.0
0°-180°	20254.0	100.0

Coefficient of Utilization



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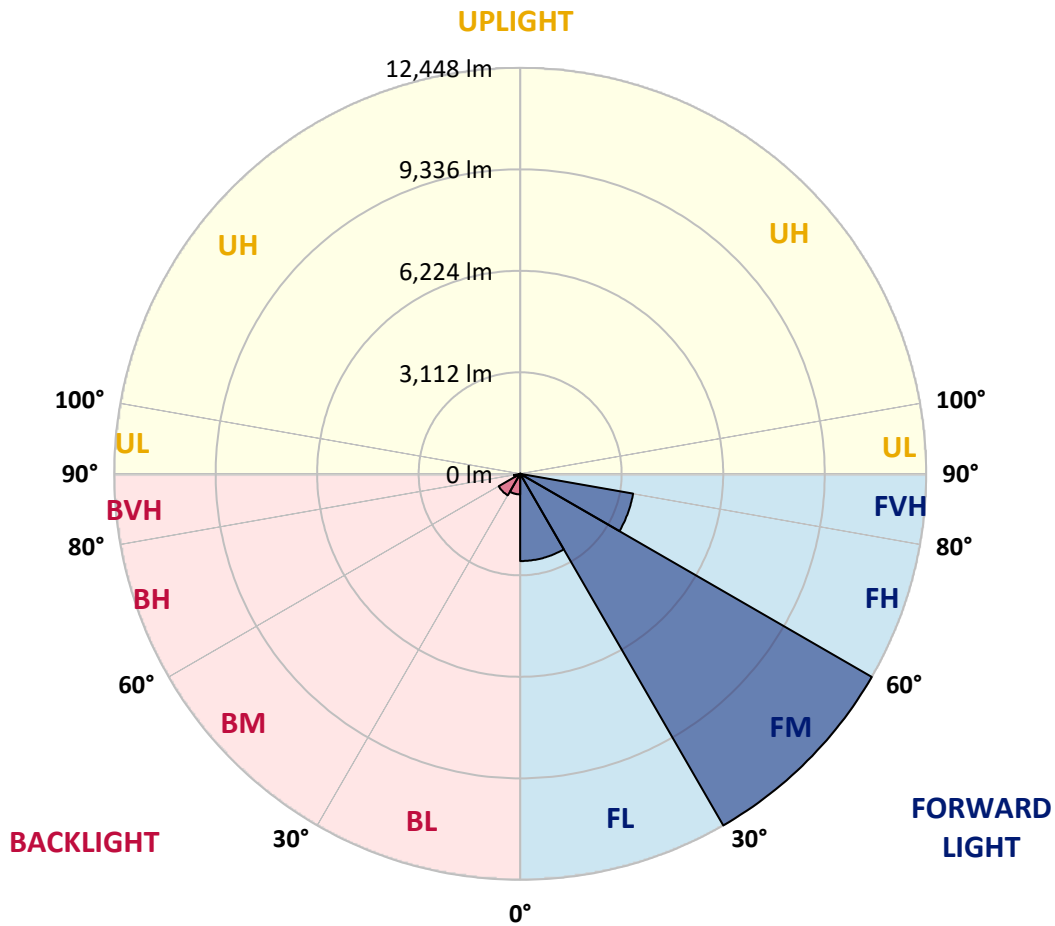
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2674.7	13.2			
FM (30°-60°)	12448.3	61.5			
FH (60°-80°)	3514.8	17.4			G2/5000
FVH (80°-90°)	34.6	0.2			G1/100
BL (0°-30°)	631.5	3.1	B2/1000		
BM (30°-60°)	759.7	3.8	B1/1000		
BH (60°-80°)	188.1	0.9	B1/500		G1/500
BVH (80°-90°)	2.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7
2.5°	6055.9	5979.7	5968.5	5953.5	5808.7	5700.0	5542.6	5370.3	5176.7	4979.4
5°	6996.4	6936.4	6925.2	6855.2	6690.4	6505.5	6225.8	5872.3	5511.4	5086.8
7.5°	7178.7	7167.5	7218.7	7216.2	7193.7	7047.6	6811.5	6390.6	5848.6	5219.2
10°	6365.7	6394.4	6546.8	6680.4	7041.3	7251.1	7199.9	6852.7	6195.8	5370.3
12.5°	5625.1	5591.3	5700.0	5851.1	6270.7	6895.2	7361.0	7238.6	6593.0	5541.4
15°	5160.5	5146.7	5207.9	5277.9	5597.6	6227.0	7173.7	7552.1	6975.1	5743.7
17.5°	5011.8	5000.6	5019.3	5036.8	5244.1	5731.2	6727.8	7744.5	7341.1	5974.8
20°	5133.0	5118.0	5115.5	5101.8	5187.9	5520.2	6324.4	7758.2	7669.5	6184.6
22.5°	5486.4	5468.9	5407.8	5352.8	5360.3	5548.9	6144.6	7620.8	7916.8	6380.6
25°	6127.1	6098.4	5971.0	5786.2	5668.8	5748.7	6172.1	7439.7	8152.8	6534.3
27.5°	6928.9	6891.4	6727.8	6453.1	6184.6	6087.2	6370.7	7314.8	8348.9	6651.7
30°	7714.5	7665.8	7504.7	7291.1	6898.9	6591.7	6729.1	7369.8	8582.5	6774.1
32.5°	8562.5	8516.3	8302.7	8037.9	7713.2	7299.8	7219.9	7638.3	8868.5	6945.2
35°	9635.3	9562.9	9259.4	8898.4	8553.7	8135.4	7884.3	8101.6	9249.4	7206.2
37.5°	10856.7	10759.3	10432.1	9933.8	9484.2	9015.8	8693.6	8738.6	9807.6	7555.9
40°	12008.2	11919.5	11617.3	11147.7	10583.2	10015.0	9671.5	9571.6	10578.2	7981.7
42.5°	12698.9	12618.9	12491.5	12293.0	11817.1	11237.6	10804.3	10588.2	11489.9	8491.3
45°	12737.6	12667.6	12838.7	13069.8	12976.1	12590.2	12061.9	11666.0	12405.4	8969.6
47.5°	12118.1	12070.7	12590.2	13397.0	13799.1	13961.5	13474.4	12653.9	13160.9	9313.1
50°	10429.6	10412.1	11481.2	12962.4	14112.6	15162.9	14964.4	13573.1	13746.7	9490.4
52.5°	9043.3	8979.6	9602.8	11571.1	13656.8	15794.9	16420.6	14474.8	14156.3	9524.1
55°	6859.0	6802.8	7584.6	9243.1	12186.8	15570.1	17485.9	15405.2	14449.8	9438.0
57.5°	3679.3	3644.3	4632.2	6152.1	9526.6	14221.3	17678.2	16389.4	14697.1	9209.4
60°	1432.5	1426.2	1795.9	2984.9	5789.9	11569.8	16707.8	16980.1	14852.0	8928.4
62.5°	866.7	885.5	945.4	1340.1	2557.8	7187.4	14471.0	16308.2	14955.6	8671.1
65°	716.9	718.1	725.6	920.4	1225.2	3007.4	10894.2	14097.6	14699.6	8212.8
67.5°	614.5	625.7	654.4	730.6	864.2	1318.8	6272.0	10920.4	13142.2	7146.2
70°	484.6	499.6	535.8	600.7	666.9	825.5	2318.0	7266.1	10039.9	5386.5
72.5°	408.4	407.1	425.9	488.3	529.5	580.7	891.7	4071.4	5834.9	2571.5
75°	316.0	328.5	352.2	408.4	433.4	420.9	483.3	1487.4	2090.7	779.3
77.5°	247.3	257.3	278.5	333.5	358.4	298.5	278.5	532.0	671.9	279.8
80°	111.2	119.9	189.8	246.0	292.2	206.1	151.1	272.3	298.5	127.4
82.5°	20.0	33.7	111.2	129.9	149.9	133.6	78.7	141.1	146.1	51.2
85°	1.2	2.5	38.7	47.5	59.9	43.7	23.7	56.2	48.7	17.5
87.5°	0.0	0.0	0.0	1.2	1.2	6.2	7.5	10.0	7.5	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
4880.7	0°	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7	4880.7
4892.0	2.5°	4802.0	4624.7	4452.3	4311.2	4228.8	4088.9	3996.5	3981.5	3942.8	3976.5
4904.4	5°	4709.6	4392.4	4071.4	3784.2	3548.1	3243.4	3016.1	2919.9	2836.3	2865.0
4936.9	7.5°	4665.9	4165.1	3665.5	3174.7	2670.2	2183.1	1820.9	1669.8	1554.9	1571.1
4973.1	10°	4607.2	3929.1	3146.0	2396.6	1721.0	1240.2	990.4	898.0	846.8	848.0
5026.8	12.5°	4562.2	3646.8	2542.8	1624.8	1047.8	791.8	714.4	691.9	676.9	678.2
5108.0	15°	4539.8	3314.6	1947.0	1082.8	749.3	670.7	651.9	641.9	631.9	630.7
5197.9	17.5°	4502.3	2944.9	1425.0	790.6	655.7	628.2	612.0	600.7	588.2	585.7
5275.4	20°	4446.1	2525.3	1041.6	668.2	614.5	593.2	570.7	555.8	540.8	538.3
5324.1	22.5°	4342.4	2081.9	800.5	618.2	584.5	560.8	533.3	515.8	500.8	498.3
5300.3	25°	4150.1	1666.0	674.4	587.0	558.3	529.5	499.6	475.8	462.1	459.6
5249.1	27.5°	3906.6	1308.9	612.0	558.3	524.5	498.3	464.6	442.1	429.6	427.1
5181.7	30°	3619.3	1007.9	575.7	525.8	484.6	462.1	432.1	413.4	405.9	405.9
5134.2	32.5°	3309.6	805.5	560.8	493.3	449.6	424.6	400.9	393.4	390.9	389.7
5160.5	35°	3018.6	699.4	553.3	467.1	418.4	394.7	384.7	385.9	390.9	390.9
5241.6	37.5°	2760.1	665.7	549.5	448.4	390.9	369.7	375.9	387.2	382.2	382.2
5384.0	40°	2526.5	669.4	547.0	434.6	368.4	355.9	368.4	359.7	347.2	345.9
5557.6	42.5°	2347.9	700.6	542.0	423.4	354.7	345.9	341.0	327.2	326.0	328.5
5737.5	45°	2218.1	728.1	540.8	418.4	339.7	323.5	317.2	303.5	328.5	334.7
5811.1	47.5°	2064.4	728.1	540.8	400.9	314.7	308.5	298.5	283.5	308.5	314.7
5741.2	50°	1865.9	681.9	519.5	380.9	294.7	291.0	273.5	254.8	249.8	253.5
5577.6	52.5°	1614.8	598.2	465.8	353.4	274.8	267.3	246.0	232.3	228.5	228.5
5284.1	55°	1328.8	500.8	393.4	313.5	253.5	239.8	224.8	218.6	214.8	212.3
4873.2	57.5°	1080.3	410.9	316.0	278.5	233.5	216.1	211.1	203.6	197.3	193.6
4529.8	60°	886.7	323.5	261.0	247.3	213.6	197.3	196.1	186.1	169.9	167.4
4246.3	62.5°	684.4	237.3	219.8	214.8	193.6	179.8	177.3	157.4	132.4	127.4
3844.1	65°	483.3	184.8	177.3	188.6	172.3	159.9	153.6	123.6	97.4	93.7
3217.2	67.5°	339.7	154.9	139.9	164.9	149.9	133.6	129.9	104.9	81.2	78.7
2432.9	70°	242.3	126.1	114.9	141.1	119.9	117.4	109.9	87.4	66.2	63.7
1203.9	72.5°	171.1	96.2	88.7	122.4	82.4	101.2	89.9	67.4	50.0	47.5
409.6	75°	126.1	68.7	62.4	71.2	59.9	76.2	63.7	45.0	31.2	30.0
184.8	77.5°	92.4	43.7	37.5	35.0	35.0	47.5	35.0	18.7	13.7	12.5
93.7	80°	64.9	20.0	17.5	15.0	13.7	11.2	5.0	2.5	1.2	1.2
32.5	82.5°	38.7	8.7	8.7	6.2	3.7	0.0	0.0	0.0	0.0	0.0
12.5	85°	8.7	3.7	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0
5.0	87.5°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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